

LPC2109FBD64/01,15



Part Number: [LPC2109FBD64/01,15](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 64KB FLASH 64LQFP

Data sheet:  [LPC21x9](#)

RoHs Status: Lead free / RoHS Compliant

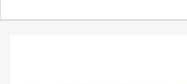
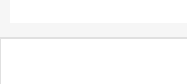
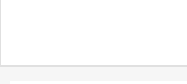
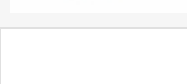
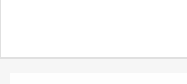
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                  |                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LPC2109FBD64/01,15                        | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 64KB FLASH 64LQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14849 pcs                                 | Data sheet                       | <a href="#">LPC21x9</a>                                                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.65 V ~ 3.6 V                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64-LQFP (10x10)                           | Speed                            | 60MHz                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LPC2100                                   | RAM Size                         | 8K x 8                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                     | Program Memory Size              | 64KB (64K x 8)                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | POR, PWM, WDT                             | Packaging                        | Tray                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 64-LQFP                                   | Other Names                      | 568-4311<br>935284891151<br>LPC2109FBD64/01-S<br>LPC2109FBD64/01-S-ND<br>LPC2109FBD640115 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                         |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 46                                        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                             |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Detailed Description             | ARM7@ LPC2100 Microcontroller IC 16/32-Bit 60MHz 64KB (64K x 8) FLASH 64-LQFP (10x10)     |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 4x10b                                 | Core Size                        | 16/32-Bit                                                                                 |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ARM7®                                     | Connectivity                     | CANbus, I²C, Microwire, SPI, SSI, SSP, UART/USART                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LPC2109                                   |                                  |                                                                                           |
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|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">LPC2131FBD64/01,11</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2104FBD48/01,15</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2105FBD48/01,15</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2129FBD64/01,15</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2129FBD64,151</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2114FBD64,151</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2124FBD64/01,15</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2114FBD64/01,15</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2124FBD64,151</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2105BBD48,151</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2119FBD64/01,15</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2106FBD48,151</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2106BBD48,151</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2104BBD48,151</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2119FBD64,151</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2106FHN48/01,55</a><br>Description: IC MCU 32BIT 128KB FLASH 48HVQFN | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2131FBD64,151</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2106FHN48,551</a><br>Description: IC MCU 32BIT 128KB FLASH 48HVQFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2103FHN48H/6,51</a><br>Description: IC MCU 32BIT 32KB FLASH 48HVQFN  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC2106FBD48/01,15</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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